

L 35100-65 EWT(1)/EWT(m)/EWG(m)/I Pz-6/Peb LIP(c) AT/RWH

ACCESSION NR: AP5009864

UR/0062/64/000/010/1776/1785

AUTHOR: Gurevich, Yu. Ya.; Myamlin, V. A.

TITLE: Frequency characteristics of the electrolyte-semiconductor interface

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 10, 1964, 1776-1785

TOPIC TAGS: electrochemistry, electrolysis, semiconductivity, semiconductor device, electronic circuit, electric resistance, electric capacitance, signal frequency

Abstract: The frequency characteristics of the electrolyte-semiconductor interface were calculated, considering the influence of the surface levels and treating a broad region of potentials. A general expression was obtained for the impedance of the electrolyte-semiconductor contact. The volume properties of the semiconductor also proved substantial. It was found that due to diffusion effects, even in the absence of surface levels, the capacitance (and resistance) are frequency dependent. The impedance of the semiconductor was obtained by considering the thickness of the Helmholtz layer equal to zero and then considering the influence of the field effect. A series of limiting cases are considered in detail, encompassing various ranges

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of frequencies and potentials, including the frequency characteristics of the contact in the absence of surface levels. The authors note that data on the surface levels of a semiconductor, as well as data on the volume properties of a semiconductor, can be obtained from an experimental study of the frequency characteristics of the electrolyte-semiconductor contact. They consider that their equivalent circuits consisting of a capacitance and resistance connected in parallel, calculating the dependence of these elements on the frequency and potential, is more convenient than more complex circuits in which the components are not dependent on the frequency. Orig. art. has: 35 formulas.

ASSOCIATION: Institut elektrokhemii Akademii nauk SSSR (Institute of Electrochemistry, Academy of Sciences SSSR)

SUBMITTED: 01Mar63

ENCL: 00

SUB CODE: EC, GC

NO REV SOV: 002

OTHER: 009

JPRS

Card 2/2

L 39772-65 EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(h) Pz-6/Feb IJP(c)
ACCESSION NR: AP5001605 JD/AT S/0062/64/000/012/2237/2240

AUTHOR: Myamlin, V. A. ; Gurevich, Yu. Ya.

TITLE: Effect of volume levels on the complex resistance of semiconductor contact

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1964, 2237-2240

TOPIC TAGS: semiconductor contact resistance, n type semiconductor, complex resistance, cadmium sulfide, gallium arsenide

ABSTRACT: The authors theoretically investigated the complex resistance of an alloyed semiconductor of the n-type with a broad forbidden band (such as cadmium sulfide, or gallium arsenide), which is in contact with an electrolyte without chemical reaction at the phase boundary. Two kinds of levels are present in the semiconductor: levels that are completely ionized, and those that correspond to the admixture centers. It is possible that the experimentally observed dependence of the complex resistance on the surface potential and frequency is the result of the fact that the electron levels in the bulk of the semiconductor are not completely

Card 1/2

L 39772-65

ACCESSION NR: AP5001805

ionized. The dependence of the capacitance and resistance on the potential and frequency determined by the bulk and surface levels, may vary greatly. The authors are grateful to V. G. Levich for a useful discussion. Orig. art. has: 12 equations.

ASSOCIATION: Institut elektrokhimii Akademii nauk SSSR (Institute of Electrochemistry, Academy of Sciences SSSR)

SUBMITTED: 14May64

ENCL: 00

SUB CODE: SS, GC

NR REF SOV: 003

OTHER: 003

Card 2/2

L 259/4-66 EWT(m)/ETC(f)/ENG(m)/T/ENP(t) IJP(c) DS/JD

ACC NR: AM5027774

Monograph

UR/

66

B+

Myaslin, Viktor Alekseyevich; Fleskov, YUry Viktorovich

Electrochemistry of semiconductors (Elektrokhimiya poluprovodnikov) Moscow, Izd-vo "Nauka", 1963. 337 p. illus., biblio. (At head of title: Akademiya nauk SSSR. Institut elektrokhemii) Errata slip inserted. 6000 copies printed.

TOPIC TAGS: electrochemistry, electrode, electrolytic cell, semiconducting material

PURPOSE AND COVERAGE: The book deals with the electrochemistry of semiconductors with special emphasis on the use of semiconductor electrodes, chemical reactions between conductors and electrolytes, the processes occurring when semiconductors are used in batteries or during electrolytic corrosion, and other processes where electrodes are involved. The book is limited to single-crystal semiconductor materials and does not deal with polycrystals and semiconducting oxide films. The literature in the field up to the end of 1964 is covered. The book is intended for both electrochemists and physicists and engineers specializing in surface properties of semiconductors and in the manufacture of semiconductor devices. Etching of semiconductors is also considered. Secs. 1--12, 17, 19, 24--30, 35, 37, 41--45, and 48 were written by V. A. Myaslin, while Secs. 13--16, 18, 20--23, 31--34, 36, 38--40, 46, 47, and 49--61 by YU. V. Fleskov. Authors thank YU. YA. Gurevich, A. M. Kuznetsov, R. M. Lazorenko-Manovich, and V. A. Tyagov for valuable advice and useful remarks.

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UDC: 537.311.33 : 541.13

2

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ACC NR: A0027774

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SUB CODE: 09, 07/ SUBM DATE: 20 May 65/ ORIG REF: 199/ OTH REF: 380

Card 2/2 FW

GUREVICH, Yu.Ya.; MYAMLIN, V.A.

High frequency capacity of the electrolyte - semiconductor interface,
Elektrokhimiia 1 no.6:734-735 Je '65. (MIRA 18:7)

1. Institut elektrokhemii AN SSSR.

MYAMLIN, Viktor Alekseyevich; PLESKOV, Yuriy Viktorovich; MARKIN,
V.S., red.

[Electrochemistry of semiconductors] Elektrokhimiya po-
luprovodnikov. Moskva, Nauka, 1965. 337 p.
(MIRA 18:7)

MYAMLINA, G. A.

"Innervation of the Spinal Artery." Cand Med Sci, First Moscow State
Medical Inst, Moscow, 1953, (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

MYAMLINA, G.

Innervation of the spinal artery. Arkh. anat., Moskva 30 no.2:27-32
Mar-Apr 1953. (CIMI 24:3)

1. Of the Department of Normal Anatomy (Head -- Prof. G. F. Ivanov),
First Moscow Order of Lenin Medical Institute.

MYAMINA, G.A.; GERASIMENKO, V.N.; VORONTSEV, R.S. (Moskva)

Surgical approaches to the intervertebral nodes of the cervical
and thoracic segments in dogs. Eksper. khir. 4 no.6:49-50 N-D
'59. (MIRA 14:6)

(VERTEBRAE SURGERY)

SLAVINA, S.E., kand.med.nauk; MYAMLINA, G.A., kand.med.nauk

Changes in external respiration in pulmonary hypertension of various origins. Sov.med. 25 no.12:95-99 D '61. (MIRA 15:2)

1. Is kliniki obshchey i gospital'noy terapii sanitarno-gigiyenicheskogo fakul'teta (zav. - deystvitel'nyy chlen AMN SSSR zasluzhennyy deyatel' nauki prof. Ye.M. Tareyev) i Tsentral'noy nauchno-issledovatel'skoy laboratorii imeni S.I.Chechulina (zav. - kand.med.nauk A.S.Chechulin) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(RESPIRATION) (HYPERTENSION)

USSR/Human and Animal Physiology. Blood. Formed Elements
of Blood.

T-4

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55427.

Author : Velikovskaya, Yu. ~~Mynn, I~~
Inst : Moscow Academy of Veterinary Sciences.
Title : A Comparison of Results in Erythrocyte Counts Obtained
by Various Methods.

Orig Pub: Sb. nauch. rabot stud. Mosk. vet. akad., 1956,
vyp. 3, 190-104.

Abstract: The erythrocytes of horses, cows, dogs, and rabbits
were counted after they were diluted in a mixer, and
in a test tube according to the method of Nikolayev.
Thus, it was demonstrated that when blood was diluted
in a test tube, the erythrocyte count was not less
accurate than when it was diluted in a mixer. The

Card : 1/2

SHEYMAN, Yuliy Genrikhovich, MYAN, Vladimir Mikhaylovich; KILYACHKOV, A.P.,
otvetstvennyy redaktor; SHUSHKOVSKAYA, Ye.L., redaktor izdatel'stva;
NADZINSKAYA, A.A., tekhnicheskiy redaktor

[Mining problems; opening and systems of working coal fields]
Zadachnik po gornomu delu; vskrytie i sistemy razrabotki ugol'nykh
mestorozhdenii. Moskva, Ugletekhizdat, 1957. 183 p. (MLBA 10:9)
(Coal mines and mining)

RYARD, A.

Feeding and Feeding Staffs

Organization of a feeding station. ITL, 12, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952 UNCLASSIFIED.

MYAND, A.E., kandidat tekhnicheskikh nauk.

Critical appraisal of existing machines for preparing feeds.
Sel'khoz mashina no.1:23-26 Ja '55. (MIRA 8:3)

1. Ukrainskiy n.-i. institut zhivotnovodstva.
(Agricultural machinery)

MYAND, A.Ye., kand.tekhn.nauk

Mechanization of livestock farming. Nauka i zhyttia 8 no.11:
38-41 N '58. (MIRA 13:5)
(Farm mechanization) (Stock and stockbreeding)

MYAND, A.M., kand.tekhn. nauk.

Economic mixed feed mill. Zhivotnovodstvo 20 no.6:72-76 Je '58.
(MIRA 11:6)

1. Zaveduyushchiy otделom mekhanizatsii nauchno-issledovatel'-
skogo instituta zhivotnovodstva lesostepi i Poles'ya USSR.
(Feed mills)

MYAND, A.,^E kand. tekhn. nauk

Experiments of Ukrainian feed mills in producing flour from
green forage for enriching mixed feeds. Muk.-elev. prom. 25 no.11:
21-24 N '59. (MIRA 13:3)

1. Nauchno-issledovatel'skiy institut zhivotnovodstva Lesostepi i
Poles'ya USSR.
(Ukraine--Feed mills)

MYAND, Arkadiy Erastovich, kand.tekhn.nauk; NAGORNIY, A.G.
[Nahornyi, A.H.], red.; GULENKO, O.G.[Hulenko, O.H.],
tekhn. red.

[Over-all mechanization for all livestock farms] Kompleksnu
mekhanizatsiiu -- vsim tvarynnyts'kym fermam. Kyiv, Derzhsil'-
hospvydav URSR, 1961. 41 p. (MIRA 15:7)
(Ukraine--Stock and stockbreeding)

STAROVEROV, Nikolay Aleksandrovich, nauchnyy sotr.; MYAND, Arkadiy
Erastovich, nauchnyy sotr.; SMIRNOV, O.V. [Smyrnov, O.V.],
red.; NEMCHENKO, I.Yu., tekhn. red.

[Preparing and using hay meal] Vyhotovlennia sinnoho boroshna
i ioho vykorystannia. Kyiv, Derzhsil'hospvydav URSR, 1961. 46 p.
(MIRA 16:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut skotovodstva
Lesostepi i Poles'ya Ukr. SSR (for Staroverov, Myand).
(Ukraine--Hay as feed)

MYAND, Kh.I., [Mänd, H.I.]; BOCHAROV, V.M., inzhener; DOROFYEV, V.N., inzhener.

System of direct connectors for telegraph lines. Vest. aviatsi 17
no.3:3-6 Mr '57. (MLBA 10:4)

1. Nachal'nik Tallinskogo tsentral'nogo telegrafa (for Myand)
(Telegraph lines)

MYAND, Kh.I. [Mand, H.]

We are improving telegraph communications. Vest. sviazi 21 no.12:
19 D '61. (MIRA 14:12)

1. Nachal'nik Tallinskogo tsentral'noro telegrafa.
(Tallinn -Telegraph)

RYALD, KH. T.

VISHNEVSKIY, I.I.; ZUBAKIN, A.T.; ~~MYAND, Kh. P.~~; LEYKIN, B.P., redaktor;
TARAYEVA, Ye.K., redaktor izdatel'stva; MEL'NICHENKO, F.P.,
tekhnicheskij redaktor

[Planning work and wages in construction brigades; practices of
Estonian builders] Planirovanie truda i zarabotnoy platy v stroitel'-
nykh brigadakh; iz opyta stroek Estonskoi SSR. Moskva, Gos.izd-vo
lit-ry po stroit. i arkhitekt., 1957. 57 p. (MIRA 10:9)
(Wages) (Estonia--Construction industry)

MYANDIN, L.I., inshener.

Over-all mechanisation of loading and unloading in the wood pulp
and paper industry. Mekh.trud.rab. 9 no.10 0 '55. (MIRA 9:1)
(Loading and unloading) (Wood-using industries)

MYANDMETS, Kh. Ya., Candidate Tech Sci (diss) -- "Basic factors determining the binding qualities of the ash of oil shale -- kukersite". Tallin, 1959. 20 pp (Min Higher Educ USSR, Tallin Polytech Inst), 150 copies (KL, No 22, 1959, 116)

COUNTRY MYANMAR A. A.
CATEGORY : Farm Animals.
 The Swine.
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 12049

AUTHOR : Kannik, A. A.
INST. : Estonian Academy of Agriculture.
TITLE : Vitamin C as a Factor of Growth and Indicator
 of the Organism Productivity in Pigs.

ORIG. PUB. : Sb. nauchn. Tr. Est. s.-kh. akad., 1957, 3,
 285-293
ABSTRACT : The content of vitamin C (ascorbic acid +
 dehydroascorbic acid) was determined in the
 organs of pigs with various degrees of fatness
 and a different physiological state of the
 organism. It was established that the vitamin
 C content was highest in organs of pregnant
 sows (most intensive growth), and lowest in
 poorly developed and ill pigs. By supplemen-
 tarily adding vitamin C daily in a dosage of
 20 mg, the weight gain of piglets was increas-

CARD: 1/2

MYANNIK, A. A., Candidate Vet Sci (diss) -- "The content of vitamin C in the organism of swine and its connection with growth and weight gain". Tartu, 1959. 23 pp (Min Agric USSR, Estonian Agric Acad), 150 copies (KL, No 22, 1959, 119)

SIIM, A.Kh. [Siim, A.]; Prinimali uchastiye; Myannik, A.⁴ [Männik, A];
SABAS, L.; KOVAK, Kh.; LANG, A.L.; SATCHOK, Kh.[^]

Effect of rutin on blood composition in guinea pigs and anemic rabbits.
Vit. res. i ikh isp. no.4:77-84 '59. (MIRA 14:12)

1. Estonskaya sel'skokhozyaystvennaya akademiya.
(RUTIN) (ERYTHROPOIESIS)

L 25993-66

ACC NR: AP6012556

SOURCE CODE: UR/0040/66/030/002/0375/0378

AUTHORS: Myasnil, A. I. (Tallin); Nigul, U. K. (Tallin)

ORG: none

TITLE: Comparative results of the lattice method and the method of steepest descent in the analysis of transient wave processes in slab deformation

SOURCE: Prikladnaya matematika i mekhanika, v. 30, no. 2, 1966, 375-378

TOPIC TAGS: elastic deformation, wave propagation, numerical method, Laplace transform, approximation method, integration

ABSTRACT: Three different approximate integration methods are compared with each other in the solution of a Timoshenko problem of the type

$$(\partial_t^2 - \partial_x^2)W - \partial_t \psi = 0, \quad 3\partial_t W + (k^2 \partial_t^2 - \partial_x^2 - 3)\psi = 0.$$

The physical problem is that of a deformation wave process in a semi-infinite slab subjected to a suddenly applied uniform moment at the slab edge. The boundary conditions of the problem are of the form

$$M''(0, \tau) = \frac{2C}{1-\nu} H(\tau), \quad W(0, \tau) = 0, \quad C = \text{const}$$

$$\nu = 0.3, k^2 = 0.890, C = 1.$$

The above equations are Laplace transformed and their solutions written in the form

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$$W^L = C \sum_{j=1}^2 B_{wj} e^{-\lambda_j^L}, \quad \psi^L = C \sum_{j=1}^2 B_{\psi j} e^{-\lambda_j^L},$$

where

$$B_{wj} = -\frac{(-1)^j}{i(\lambda_j^3 - \lambda_j)}, \quad B_{\psi j} = \frac{(-1)^j (\lambda_j^2 - \lambda_j^2)}{i\lambda_j (\lambda_j^3 - \lambda_j)}$$

$$\lambda_j = \left(\frac{\rho}{2} \left[(1 + \lambda^2) \pm (1 - \lambda^2) \left(1 - \frac{12\lambda^2}{\rho(1 - \lambda^2)} \right)^{1/2} \right] \right)^{1/2} \quad (j=1, 2).$$

The three methods for the approximate solution of these equations are: a) the method of steepest descents; b) an expansion of the transformed equations in negative whole powers of the Laplace transform parameter s , and c) an improved lattice-point or grid method. Results are obtained for the displacement W , bending moment M , and the transverse load Q , using all three methods. These results show that methods (a) and (c) give increasingly close values for M and Q as the time τ increases. Agreement in W between methods (a) and (c) are good only for very long times. It is then concluded that the relatively new method (c) is quite reliable. Orig. art. has: 12 equations and 1 figure.

SUB CODE: 20, 12/ SUBM DATE: 02Jul65/ ORIG REF: 005/ OTH REF: 001

Card 2/2

L 51811-65 EWT(m)/EPF(c)/EWP(j) Pc-l/Pr-l RM

ACCESSION NR: AP5017013

UR/0204/64/004/006/0899/0905

AUTHOR: Myannik, A. O.; Shepeleva, Ye. S.; Sanin, P. I.

TITLE: Synthesis and properties of some esters of phosphoric, thiophosphoric and phosphinic acids

SOURCE: Neftekhimiya, v. 4, no. 6, 1964, 899-905

TOPIC TAGS: ester, phosphoric acid, phosphinic acid, organic sulfur compound, organic synthetic process

ABSTRACT: A number of esters of phosphoric, thiophosphoric, and phosphinic acids were synthesized and described. Esters of thiophosphoric acid containing thiol sulfur were prepared from sodium salts of dialkylthiophosphoric acids and alkyl halides, the salt with thione structure giving an ester with a thiol structure. Esters of thiophosphoric acid containing thione sulfur were produced by various methods: triethylthione phosphate by the reaction of sodium ethylate and phosphorus thiochloride; diethylbutylthione phosphate from the chloride of diethylthiophosphoric acid. Esters containing the trichloromethyl group were produced by a scheme including the reaction of sulfur with the correspond-

Card 1/2

L 51814-65

ACCESSION NR: AP5017013

ing phosphite; esters of phosphinic acids were produced from the corresponding dichlorides of phosphinic acids and alcohols. The activity of the esters as additives for reducing wear under conditions of high loads were found to depend on the structure of the ester. Esters containing thiol sulfur are more active than esters containing thione sulfur. Esters containing the trichloromethyl group are the most active.

Orig. art. has: 11 formulas, 5 graphs, 2 tables.

ASSOCIATION: Institut neftekhimicheskogo sinteza im. A. V. Topchiyeva AN SSSR
(Institute of Petro-Chemical Synthesis AN SSSR)

SUBMITTED: 29Apr64

ENCL: 00

SUB CODE: OC, GC

NR REF SOV: 009

OTHER: 007

JPES

2/2

ACC NR: AP6030551 (A, P) DJ/RM

SOURCE CODE: UR/0413/66/000/016/0031/0031

INVENTOR: Sanin, P. I.; Shepeleva, Ye. S.; Borodach, M. S.; Myannik, A. G.;
Varshavskiy, S. L.; Petyakina, Ye. I.; Vinogradova, I. E.

ORG: none

TITLE: Preparative method for bis(trichloroalkyl) esters of alkylphosphonic acids.
Class 12, No. 184944 (announced by the Institute of Petrochemical Synthesis, AN SSSR)
(Institut neftekhimicheskogo sinteza, AN SSSR)

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no 16, 1966, 31

TOPIC TAGS: lubricant additive, mineral oil, alkyl phosphonic acid

ABSTRACT: An Author Certificate has been issued for a preparative method for bis(trichloroalkyl) esters of alkylphosphonic acid of the general formula $RP(O)[C(CH_2)_nCCl_3]_2$ where R is an alkyl group and $n = 1, 2, 6, 8$. To obtain such esters suitable as additives to mineral oil, alkylphosphonic di-hlorides are treated with trichloroalkyl alcohols in the presence of an organic base, e.g., pyridine.

SUB CODE: 07, 11/ SUBM DATE: 05May65/ LTD PRESS: 5 72 [SM]

Card 1/1 fv

UDC: 547.251.3.07

L 63507-65 EPF(c)/ENP(j)/EMT(m)/T RM/DJ

ACCESSION NR: AP5020958

UR/0204/65/005/004/0624/0628

621.892.8:547.26:139:11815:113:131

AUTHOR: Myannik, E. I.; Sher, V. V.; Sanin, P. I.

TITLE: Synthesis and properties of esters of metaphosphimic acid trimer (synthetic lubricant additives)

SOURCE: Neftekhimiya, v. 5, no. 4, 1965, 624-628

TOPIC TAGS: antiwear additive, antiseize additive, lubricant, organic lubricant, lubricant additive, lubricant property, lubricating oil, lubrication, phosphonitrile

ABSTRACT: Esters of metaphosphimic acid trimer were investigated to determine their antiwear properties. The esters can be synthesized from the corresponding acid chloride, $H_3P_3Cl_6$, by condensation with sodium alkoxides and phenoxides, or by condensation with alcohols and phenols in the presence of pyridine. The isobutyl, n-decyl and undecyl esters were obtained for the first time. The esters exhibited no tendency to polymerize under reaction conditions. Molecular weights were determined cryoscopically, in benzene. All the esters examined increase the critical load values of oils, the ethyl and propyl esters most of all. At critical loads and above, ad-

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ACCESSION NR: AP5020958

dition of esters increases wear appreciably; this effect may be eliminated by introducing, in addition to alkoxy and phenoxy groups, other, more active groups into the phosphonitrile ring. Orig. art. has: 1 table and 1 figure. [VS]

ASSOCIATION: Institut neftekhimicheskogo sinteza im. A. V. Topchiyeva AN SSSR
(Institute of Petrochemical Synthesis, AN SSSR)

SUBMITTED: 02Sep64

ENCL: 00 ¹⁴53

SUB CODE: MT, OC

NO REF SOV: 007

OTHER: 008

ATD PRESS: 4023

Card 2/2

MYANNIK, Kh. [Mannik, H.]: YURISON, I. [Jurison, I.]. YAL, ...

Glant analysis. Izobr. 1 rats. no.10:20-23 '63. (MIRA 17:2)

1. Pervyy, zamestitel' mini ... zapotovok sel'skokhozyayst-
vennykh produktov Estonskoy ... (for Myannik).

MYANNIK, K. Kh.

Cand Med Sci - (diss) "Rate of assimilation [sporaniye] of alcohol in patients with cranial trauma and differential diagnostics of cranial trauma and alcoholic intoxication. (Clinico-laboratory study)." [Tartu], 1961. 26 pp with illustrations; (Tartu State Univ); 150 copies; free; (KL, 7-61 sup, 260)

67965

(24.4500

S/023/60/009/01/002/011
D031/D003

AUTHOR: Veygel', I., Myannil', A (A. Männil), Org, E.

TITLE: Small Steady Axisymmetrical Vibrations of an Elastic
Conical Shell of Rotation

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, Seriya tekhnicheskikh i fiziko-matematicheskikh nauk, 1960, Vol. IX, Nr 1, pp 16 - 25 (USSR)

ABSTRACT: Forced vibrations of a simply supported conical shell are investigated at frequencies when the influence of shear deformation and rotary inertia can be neglected. Damping forces are assumed proportional to velocity of motion. A fundamental system of asymptotic integrals of equations (1.8) and (1.9) is constructed according to Ref 1, published in this issue. Notations are the same as in Ref 1, the geometrical quantities presented here in Figure 1. The computations are

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S/023/60/009/01/002/011
D031/D003

Small Steady Axisymmetrical Vibrations of an Elastic Conical
Shell of Rotation

carried out by special values $\nu = 1/3$, $\operatorname{tg} \theta = 3$,
 $\lambda = 0.05$, $h/r_0 = 0.01$, $\ln(s_0/s_1) = 1.1$. Taking
 $\lambda = 0.05$, equations (1.8), (1.9) are to be integrat-
ed over the line $x = \xi + \ln(1-0.1i)$, ξ being the
real variable. The solution $Y_\Sigma(\xi)$ of the homo-
geneous equation of the membrane theory (2.1) was
computed in the interval $-1.1 \leq \xi \leq 1.1$ by the
method of Bashforth-Adams with a step $\Delta \xi = 0.1$,
the second solution $Y_{6,1}(\xi)$ of the homogeneous
equation (2.1) by means of $Y_\Sigma(\xi)$ with one qua-
drature. In the interval $-3.0 \leq \xi < -1.1$ they
are obtained by the method of asymptotic integration
leading to formula (2.5). Asymptotical forms for
the left sides of boundary conditions (4.1) - (4.3)
of a simply supported conical shell are presented

Card 2/3

MYANNIL', A. [Männil, A.]

Program of the method of three-dimensional nets for analyzing
the transient wave type strain in a plate. Izv. AN Est. SSR.
Ser. fiz.-mat. i tekhn. nauk 14 no.3:423-427 '65.

(MIRA 18:11)

1. Institut kibernetiki AN Estonskoy SSR.

MYANNIL, A. [Mannil, A.]; NIGUL, U., kand. tekhn. nauk

Stressed states of an elastic plate during the propagation of
sinusoidal bending waves. Izv. AN Est. SSR. Ser. fiz.-mat. i
tekh. nauk 12 no.3:273-283 '63. (MIRA 16:11)

1. Academy of Sciences of the Estonian S.S.R., Institute of
Cybernetics.

VEKSLER, N. (Tallin); MYANNIL', A.I. [Männil, A.] (Tallin);
NIGUL, U. (Tallin)

Using the method of lattices in a Timoshenko-type theory
for investigating transient wave processes of deformations of
finite-length plates. Prikl. mekh. 1 no.12:38-49 '65.

(MIRA 19:1)

1. Institut kibernetiki AN Estonskoy SSR. Submitted Jan. 4, 1965.

Myannil, R.M.

23-4-10/18

AUTHOR:

Männil, R., (Myannil', R.M.)

TITLE:

Estoniops, a New Genus of Trilobites of the Phacopidae Family
(Estoniops - novyy rod trilobitov iz semeystva Phacopidae)

PERIODICAL:

Izvestiya Akademii Nauk Estonskoy SSR, Seriya Tekhnicheskikh
i Fiziko-Matematicheskikh Nauk, 1957, # 4, pp 385-388 (USSR)

ABSTRACT:

Fr. Schmidt (Ref 1) distinguished three genetical groups
within the subgenus Pterygometopus. These groups are well
defined, and are to be considered as independent genera of
Pterygometopinae.

Schmidt's second group seems to comprise two branches
exemplified by 1) Ph. (Pterygometopus) panderi Schmidt (1881)
and Ph. (Pterygometopus) exili (Eichwald, 1858), and
2) Ph. (Pterygometopus) laevigatus Schmidt, 1881. These
branches are to be considered as forming a new genus for which
the name Estoniops is proposed.

The article contains 8 photos, 1 German and 8 English
references.

Card 1/2

23-4-10/18

. Estoniops, a New Genus of Trilobites of the Phacopidae Family

ASSOCIATION: Academy of Sciences of the Estonian SSR, Institute of
Geology

SUBMITTED: 4 October 1957

AVAILABLE: Library of Congress

Card 2/2

MYANWIL, R.M.

83-58-1-7/11

AUTHORS: Kalin, D.L. and Ryymaske, A.K., Candidates of Geol. Sci. and Mineralogical Sciences
Myanwil, R.M.

TITLE: On the Series of the Baltic Ordovician and Their Significance (O seriyakh pribaltyskogo ordovika i ikh znachenii)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, Seriya tekhnicheskikh i fiziko-matematicheskikh nauk, 1958, Nr 1, pp 71-74 (USSR)

ABSTRACT: The authors contend that the English way of dividing Ordovician deposits is not applicable to the Baltic States and all of Baltic Scandinavia. Distinct stratigraphic terms are required which should correspond with the various stages of geological development in the regions under consideration. Regional names for series and subseries are suggested to be used instead, such as Harju Series for Upper Ordovician, Virmu Series for Middle Ordovician and Oelandian Series for the first Baltic Ordovician. There are 14 references, 7 of which are Soviet, 4 Estonian, 1 German, 1 Swedish and 1 Norwegian.

Card 1/2

23-58-1-7/1

On the Series of the Baltic Ordovician and Their Significance

ASSOCIATION: Institut geologii Akademii nauk Estonskoy SSR (Institute
of Geology of the Estonian SSR Academy of Sciences)

SUBMITTED: November 13, 1987

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the translation.

1. ~~Geology~~—USSR

Card 2/2

SOV/23-58-3-8/11

AUTHOR: Myannil', R.M.

TITLE: The Basic Features of the Keila Level (D_{II} Ordovician) in Estonia (Osnovnyye cherty stratigrafii keylaskogo gorizonta (D_{II}, Ordovik) v Estonii)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1958, Nr 3, pp 235 - 246 (USSR) (Seriya tekhnicheskikh i fiziko-matematicheskikh nauk)

ABSTRACT: The author distinguishes two facies in the Keila D_{II} level on Estonian territory, the northwest Keila phase and the southeast Alutaguse facies. The former has a powerful, lithologically-differentiated profile of 10.8 to 26.8 m; the latter a lithologically uniform profile of 10 to 13 m. The Keila facies of the Keila level consists of four layers (Figure 1) which are described in detail. The Alutaguse facies is characterized by a bluish-grey marly limestone which equals that of the Jõhvi level. Some of the above facies are subdivided by the author, to evaluate the finer distinguishing features. The three immigrations of fauna onto Estonian territory during the Keila period should be

Card 1/2

The Basic Features of the Keila Level (D_{II} Ordovician) in Estonia SOV/23-58-3-8/11

named Kurna-Level complex and cover the D_I-D_{II}-D_{III} level complex. The author also suggests specific denominations of the C-level complex. There are 2 diagrams, 1 table and 25 references, 15 of which are Soviet, 2 English, 1 French, and 7 German.

ASSOCIATION: Institut geologii AN Estonskoy SSR (The Institute of Geology of the AS Estonian SSR)

SUBMITTED: November 13, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the translation

1. Geology 2. Geophysics---USSR 3. Paleogeology

Card 2/2

AUTHOR: Myannil', R.M. SOV/23-58-4-7/13

TITLE: New Cryptostomatous Bryozoans From the Ordovician of Estonia (Novyye mshanki otryada cryptostomata iz ordovika Estonii)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1958, Nr 4, pp 330-347 (USSR)

ABSTRACT: In the article, 15 forms of cryptostomatous bryozoans from the Middle and Upper Ordovician strata of Estonia are described. Thirteen of these are new. Three new genera are established. A revised stratigraphical distribution of 26 bryozoans is given. Within the genus Enallopora, three new species are described, from which E. alliku n.sp. is closely related to the genotype and E. moe n.sp. to the Richmond species E.exigua (Ulrich, 1890). The third form - E.8piki n.sp. is characterized by a large number of accessory pores on each side of the branches; there are no closely allied forms of it among known species.

Card 1/5

SOV/23-58-4-7/13

New Cryptostomatous Bryozoans From the Ordovician of Estonia

Aluverina n.gen. with A. multiporata n.gen. n.sp. as the genotype possesses an internal structure quite similar to that of Enallopora. The new genus differs from the latter chiefly in having a zoaria composed of anastomosing branches. Phylloporina granistriata Bekker, 1921 (non Ulrich, 1890) and Ph. furcata fastigiata Toots, 1952, are regarded as synonyms of Ph. papillosa Bekker, 1921. The latter is closely related to Ph. granistriata (Ulrich, 1890), from which it differs in having 4 rows of apertures and a median carina on the front side of **the** branches. In the article three species of Phylloporina s.l. are described: Ph. carinata n.sp. which resembles Ph. corticosa Ulrich, 1886, from Black River but differs by absence of carina on the back; Ph. nekhoroshevi n.sp. - a large species with numerous diaphragms, possible related to Ph. maxima Toots; Ph. alu-verensis n.sp. - a peculiar flattened form which

Card 2/5

SOV/23-58-4-7/13

New Cryptostomatous Bryozoans From the Ordovician of Estonia

has no relatives among other phylloporinides. Three new representatives of Pseudohornera are established: 1) *P. bifida excedens* n.subsp. which differs from the main form chiefly by more strongly developed acanthopores, 2) *P. striata* n.sp. - a species very like the genotype from the Silurian of North America, and 3) *P. plana* n.sp. - a peculiar form with 3-4 rows of apertures on the flattened front side. A new genus *Oanduellia* is established for two new Middle Ordovician forms - *O. bassleri* n.sp. (genotype) and *O. antiqua* s.sp. - which resemble *Clathropora* but have mesopores; apertures arranged in intersecting series as in *Escharopora*. From the uppermost Ordovician *Clathropora, baltica* n.sp. is described. It is the oldest known species of the genus. Investigation of the internal structure of the genotype of *Pteropora* Eichwald, 1860, has shown that the genus

Card 3/5

SOV/23-58-4-7/13

New Cryptostomatous Bryozoans From the Ordovician of Estonia

does not belong to the Acanthocladiidae but to the Ptilodictyidae. *Proavella* n.gen. with *Gorgonia proavus* Eichwald, 1855, as genotype is erected for the cribose forms further regarded as belonging to *Graptodictya*. There are 6 sets of diagrams, 1 table, 8 pages of photos and 15 references, 2 of which are Soviet, 10 American, 1 German, 1 Swedish and 1 Estonian.

ASSOCIATION: Institut geologii Akademii nauk Estonskoy SSR
(Institute of Geology, Academy of Sciences,
Estonian SSR)

Card 4/5

SOV/23-58-4-7/13

New Cryptostomatous Bryozoans From the Ordovician of Estonia

SUBMITTED: April 15, 1958

NOTE: Russian transliteration of names, titles and associations are used throughout this abstract.

Card 5/5

AUTHOR: Myannil', R.M. SOV/23-58-4-9/13

TITLE: The Nomenclature of Cambrian Deposits in the Baltic Region (K nomenklature kembriyskikh otlozheniy Pribaltiki)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1958, Nr 4, pp 350-352 (USSR)

ABSTRACT: The author disagrees with A.I. Krivtsov's article of 1956 [Ref 1] suggesting geographical names for individual Cambrian formations in the Baltic region and adjoining districts. He also refers to the names given to the two large cycles of deposit accumulation of the Cambrian period by B.S. Sokolov [Ref 2-4], which did not meet with Krivtsov's approval. In the author's opinion the complex of layers embracing the entire section of the lower Cambrian period in the Baltic Region could only be named the Estonian series. He also does not concur with Krivtsov's suggestion to rename the Gdov' formation "Baltic Formation", preferring the former term. Myannil' then

Card 1/3

SOV/23-58-4-9/13

The Nomenclature of Cambrian Deposits in the Baltic Region

enters a discussion on proper names for the Laminaritic clays which Krivtsov proposed to name "Vil'nyus Layer." The article contains a table giving the former, generally **adopted** nomenclature, the one proposed by A.I. Krivtsov and that suggested by the author for the various layers, sandstone and clays. There is 1 table and 11 references, 5 of which are Soviet, 2 American, 2 German and 2 Estonian.

ASSOCIATION: Institut geologii Akademii nauk Estonskoy SSR
(Institute of Geology, Academy of Sciences,
Estonian SSR)

Card 2/3

SOV/23-58-4-9/13

The Nomenclature of Cambrian Deposits in the Baltic Region

SUBMITTED: February 14, 1958

NOTE: Russian transliteration of names, titles and associations are used throughout this abstract.

Card 3/3

MYANNIL', R. M., Cand Geolog-Mineralog Sci (diss) -- "Problems of the stratigraphy and bryozoa of the Ordovician in Estonian". Tallin, 1956. 40 pp
(Acad Sci Estonian SSR, Dept of Tech and Phys-Math Sci), 200 copies (XI, No 2, 1960, 123)

ORVIKU, K., akademik; ~~MAÄRMÄ, E.S.~~, kand. geol.-miner. nauk,
red. vypuska; ~~KALJO, D.D.~~ [Kaljo, D.], kand. geol.-
miner. nauk, red.; ~~MAÄRMÄ, R.R.~~ [Männil, R.], kand.
geol.-miner. nauk, red.; ~~PALMRE, Kh.G.~~ [Palmre, E.],
kand. geol.-miner. nauk, red.

[Lithology of Paleozoic sediments in Estonia] Litolo-
giia paleozoiskikh otlozhenii Estonii. Tallin, AN
Estonskoi SSh, 1964. 131 p. (Mina 1711)

1. Eesti NSV Teaduste Akadeemia Geoloogia Instituut.
2. Akademiya nauk Estonskoy SSh (for Orviku).

NESTOR, Kheldur Eduardovich; KAL'O, D.L.[Kaljo, D.], red.; ORVIKU, K.K., akademik, red.; BAUKOV, S.S., kand. geol. nauk, red.; MYANIL', R.M.[Männil, R.], kand. geol. nauk, red.; PAL'MRE, Kh.G. [Palmre, H.], kand. geol. nauk, red.; SKVORTSOVA, A., red.

[Ordovician and Llandoveryan Stromatoporoidea of Estonia]
Stromatoporoidei ordovika i llandoveryi Estonii. Tallinn, In-t geol. AN Estonskoi SSR, 1964. 111 p.

(MIRA 18:5)

1. Akademiya nauk Estonskoy SSR (for Orviku).

ACC NR: AP6C290.3

SOURCE CODE: UR/0413/66/000/014/0024/0024

INVENTOR: Sanin, P. I.; Shepeleva, Ye. S.; Borodach, M. S.; Myannik, A. G.; Kagan, Yu. S.; Gel'fer, A. P.; Paykin, D. M.; Gamper, N. M.

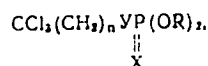
ORG: none

TITLE: Preparation of esters of phosphoric and thiophosphoric acids. Class 12, No. 183751 [announced by Institute of Petrochemical Synthesis, AN SSSR (Institut neftekhimicheskogo sinteza AN SSSR)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 24

TOPIC TAGS: insecticide, chloroalkyl phosphate, chloroalkyl thiophosphate, ester, phosphoric acid

ABSTRACT: In the proposed method for the preparation of herbicides, the phosphoric and thiophosphoric esters of the general formula:



(where X and Y are O or S; n = 1, 4, 6, 8; and R is an alkyl) are obtained by the reaction of trichloroalkyl alcohols with tetrachloroalkanes [sic]. [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 21Jun65/

Card 1/1

UDC: 547.26'118.07

MYAOROV, F.V.

Digital integrating machines. Avtom. upr. i vych. tekhn. no. 1:240-303
'58. (MIRA 12:1)

(Electronic calculating machines)

MYANTS, A.D.

Flowsheets of leaching roasted zinc concentrates. Sbor. nauch.
trud. GINTSVETMET no.15:539-548 '59. (MIRA 14:4)
(Zinc--Metallurgy)
(Leaching)

MYARTSEVA, S.N.

Biology and nesting habits of the wasp *Ammophila ebenina* Spin
(Hymenoptera, Sphecidae, Sphecinae). Izv. AN Turk.SSR. Ser.
biol.nauk no.2:62-71 '63. (MIRA 16:5)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.
(TURKMENISTAN--WASPS)

MYARTSEVA, S.N.

Ecologic distribution of burrowing wasps (Hymenoptera, Sphecidae) in the lower Murgab Valley. Izv. AN Turk. SSR. Ser. biol. nauk no.4: 56-63 '63. (MIRA 16:9)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.
(Murgab Valley--Wasps)

NEPESOVA, M. G.; MYARTSEVA, S. N.

Fifth conference of the members of the All-Union Entomological
Society. Izv. AN Turk.SSSR. Ser. biol.nauk no. 6:93 '63.
(MIRA 17:5)

1. Institut zoologii i parazitologii AN Turkmenskoy SSSR.

MYARTSEVA, S.N.

Development of *Gonodontochrysis* sp. (Hymenoptera, Chrysididae) in the nests of digger wasps. Izv. AN Turk. SSR, Ser. biol. nauk no.1:90-91 '64. (MIRA 1964)

1. Institut zoologii i parazitologii AN Turkmensoy SSR.

MYARTSEVA, S.N.

Ecology of some digger wasps of the genus *Sphex* L. (Hymenoptera, Sphecidae) in the lower Murgab Valley. Izv. AN Turk. SSR. Ser. biol. nauk no.2:73-77 '64. (MIRA 17:6)

1. Institut zoologii i parazitologii AN Turkmeniskoy SSR.

CHARYKULIYEV, D.M.; MYARTSEVA, S.N.

Biology of flies of the subfamily Miltogrammatinae (Diptera,
Sarcophagidae). Izv. AN Turk. SSR. Ser. biol. nauk no.2:84-88
'64. (MIRA 17:6)

1. Institut zoologii i parazitologii AN Turkmeneskoy SSR.

1951, 1. 9.

Technology

(Manual of ball and roller bearings for automobiles, tractors and agricultural machinery).
Tashkent, Gosizdat, Uzb. SSR, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

BOROVIK, M.G.; MYASIN, N.I.; SOLOMON, L.S.; SHPEKTOR, A.A.

Obtaining pure dust-like molding materials in a jet mill. Lit. proizv.
no.5:16-17 My '62. (MIRA 16:3)

(Sand, Foundry--Additives)

(Crushing machinery)

11

L 13600-66 EWT(m)

ACC NR: AP6001016

SOURCE CODE: UR/0286/65/000/022/0101/0101

(A)
AUTHORS: Isidorov, V. V.; Akunov, V. I.; Dubinskiy, M. G.; Zavadskiy, G. V.;
Ismakov, Yu. T.; Lur'ye, M. Yu.; Myasin, N. I.; Nosenko, N. Ye.; Plovako, A. N.;
Rybin, V. R.; Sidochenko, I. M.; Sominskiy, D. S.; Titov, P. P.; Khalov, G. G.;
Sichevel', A. S.; Zavgorodniy, N. S.

ORG: none

TITLE: A reactor for combined pulverizing and burning of a material, such as cement,
in a high temperature gas stream. Class 80, No. 145469

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 101

TOPIC TAGS: cement, thermal reactor

ABSTRACT: This Author Certificate presents a reactor for combined pulverizing and
burning of a material, such as cement, in a high temperature gas stream. To provide
automatic regulation of the burning and calcification time for the material in the
reactor, the latter is made in the shape of a flat, lenticular chamber. Nozzles
of the combustion chambers are built into the peripheral circle of the lenticular
chamber and at an angle to its radii. An opening in the center of the chamber bottom
is used to discharge the finished burned product.

SUB CODE: 18,13/

SUBM DATE: 24May61

Card 1/1

MYASISHCHEV, B.

Growing movement of voluntary design work. NTO 4 no.11:15-16
N '62. (MIRA 16:1)

1. Zamestitel' predsedatelya Tul'skogo oblastnogo soveta nauchno-
tekhnicheskikh obshchestv.
(Tula Province--Technological innovations)

MYASISHCHEV, F. K.

Tobacco

Girdling tobacco. Tabak 13 no. 1, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

KYASISHCHEV, A. F.

Kyasishchev, A. F. -- "Abdominal Sections in the Presence of Suppurative Attacks of the Uterine Appendages." Leningrad State Order of Lenin Inst. for the Advanced Training of Physicians named G. P. Livov, Leningrad, 1961 (Dissertation for the Degree of Candidate of Veterinary Sciences)

SO: Knizhnaya Letopis', No. 2h, Moscow, Jun 65, pp 91-92.

MYASISHCHEV, G.F., kand.med.nauk

Laparotomy in gynecological patients of advanced age. Akush.i gin.
35 no.4:91-94 J1-Ag '59. (MIRA 12:11)

1. Iz kafedry akusherstva i ginekologii (sav. - zasluzhennyy deyatel'
nauki prof. A.E. Mandel'shtam) Gosudarstvennogo instituta usovershen-
stvovaniya vrachey.
(GENITALIA FEMALE surg.)

PETROV, Ye.G., kand. sel'skokhoz. nauk; BOBCHENKO, V.I., kand. sel'skokhoz. nauk; SID'KO, A.A., kand. sel'skokhoz. nauk; MYASISHCHEV, S.I., inzh.

Basic leaching of salinized soils in the Golodnaya Steppe. Gidr. i
mel. 17 no.3:10-20 Mr '65. (MIRA 18:4)

PFTROV, Ye.G., kand. sel'skokhoz. nauk; BOBCHENKO, V.I., kand. sel'skokhoz. nauk; SID'KO, A.A., kand. sel'skokhoz. nauk; MAKAROVA, V.S., kand. sel'skokhoz. nauk; MYASISHCHEV, S.I., inzh.

Leaching salinized soils in rice growing. Gidr. i mel. 27
no.10:1-14 O '65. (MIRA 18:10)

Myasishchev, V. M.
MYASISHEV, V., general'nyy konstruktor, Geroy Sotsialisticheskogo Truda

Aircraft today and tomorrow. Av. i kosm. 45 no. 5:7-13 My '63.

(MIRA 16:5)

(Aircraft)

L 63958-65 EWT(d)/EWT(1)/EWP(m)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h) WW/EM
 ACCESSION NR: AP5020138 M UR/0209/65/000/008/0014/0016

AUTHOR: Myasishchev, V. (Major general of engineering and technical services,
 Chief designer)

TITLE: Towards hypersonic speeds and space altitudes

SOURCE: Aviatsiya i kosmonavtika, no. 8, 1965, 14-16

TOPIC TAGS: aeronautic R and D, supersonic aircraft, supersonic aerodynamics,
 hypersonic aerodynamics, aerodynamic R and D

ABSTRACT:

Designer-in-Chief Major General V. Myasishchev briefly discusses some
 of the areas to be emphasized in the future development of Soviet supersonic
 aircraft. He sets 3500—4000 km/hr as a speed goal which will produce heating
 of basic points in an aircraft's structure to 400—450°C. Myasishchev infers in
 his article that the state-of-the-art of Soviet engine development is well advanced
 and that other areas of aircraft design should be improved. Regarding new
 development trends, he mentions the following: mechanized control of the en-

Card 1/2

L 63958-65

ACCESSION NR: AP5020138

tire aircraft; systematic elimination of the least durable parts, components, and systems; development of larger, more complex test stands; wider application of multilayer honeycomb steel structures; the use of high-quality soldering and welding; high heat-strength design and high thermal stability for components; further development of methods for cooling aircraft fuel and other systems; and improvement in heat resistance for all equipment and control systems. Further, Myasishchev states that vibration is a pressing problem, and that operating efficiency and take-off and landing characteristics must be considered along with improved supersonic and hypersonic aerodynamics. Regarding basic research, it is stated that great possibilities lie in "local" aerodynamics for improving interference, and in other fundamental aerodynamic improvements. Orig. art. has: 2 graphs, 2 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AC

NR REF SOV: 000

OTHER: 000

ATD Press: 4066-F

Card 2/2

MYASISHCHEV, V. N. (Prof.)

"The Problem of Relationships in the Psychology of Individual Differences,"
Problems of Psychology, Leningrad, published by LGU, 1948.

Hd Dept Psychology, Leningrad State University

MYASISCHEV, V. N.

Myasischev, V. N. "On some actual problems of medical institute researchers in the area of organizational-methodological leadership," Org.-metod. voprosy sovr. neyropsikhiatrii, (VII), 1948, pp. 5-14

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

MYASISHCHEV, V. N.

Myasishchev, V. N. "On the organization of medicinal aid in neuroses and border line forms," Ogr.-metod. voprosy sov. neyropsikiatrii (VII), 1948, p. 140-52

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

MYASISHCHEV, V. N. (Prof.)

"The Problem of Personality in Soviet Psychology," Materials of the University's Psychological Conference, Leningrad, published by LGU, 1949.

1. BEKHTEREV., V.M. - MYASISHCHEV, V.N. - PORTNOV, A.A. - FEDOTOV, D.D.
2. USSR (600)
4. Bekhterev, Vladimir Mikhailovich, 1857-1927
4. Bekhterev, Vladimir Mikhailovich, 1857-1927. Zhur. nevr. i psikh. 52 no.12, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified

MYASISHCHEV, V.N., professor, doktor meditsinskikh nauk.

[Outstanding Russian scientist V.M.Bekhterev] Vydaishchiisia russkii uchenyi
V.M.Bekhterev. Moskva, Izd-vo Znanie, 1953. 31 p. (MLBA 6:9)
(Bekhterev, Vladimir Mikhailovich, 1857-1927)

MYASISHCHEV, V. N.

"The Problems of Human Psychology in the Light of I. P. Pavlov's Teachings about the Relationship of the Organism to Environment," Uch. Zap. Len. Un., No. 185, 1954

ANAN'YEV, Boris Gerasimovich; MYASISHCHEV, V.M., professor, redaktor; DORO-
HENKO, N.I., redaktor; GATAULLINA, A.S., tekhnicheskij redaktor.

[Spatial discrimination] Prostranstvennoe razlichenie. Leningrad,
Izd-vo Leningradskogo universiteta, 1955. 186 p. (MLBA 9:5)
(Space perception)

MYASISHCHEV, V.M.

Pathogenesis of neuroses. Zhur.nevr. i psikh. 55 no.7:486-494
'55. (MLRA 8:10)

1. Leningradskiy psikhonevrologicheskiy institut imeni V.M.
Bekhtereva.

(NEUROSES, etiology and pathogenesis,
Pavlovian theory)

MYASISHCHEV, V.M.

Psychological problems in the light of the views of Marxist-Leninist
classics on human relations. Uch.zap.Len.un. no.203:3-30 '55.
(Psychology) (MIRA 9:7)

MYASISHCHENOV, V.N.

Principles of experimental studies on higher nervous activity in man.
Uch.sap.Len.un. no.203:105-122 '55. (MIRA 9:7)
(Psychology, Physiological)

MYASISHCHEV, Vladimir Nikolayevich, doktor meditsinskih nauk, professor;
BENYUMOV, O.M., redaktor; ISLENT'YEVA, P.G., tekhnicheskij redaktor

[Modern ideas about neuroses] Sovremennye predstavlenia o nevrozakh. Moskva, Izd-vo "Znanie," 1956. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii. Ser. 3, no.10) (MIRA 9:4)

(NEUROSES)

GOLIKOV, N.V., professor, otvetstvennyy redaktor; ~~MYASISHCHEN, V.N.~~,
professor, otvetstvennyy redaktor; SHCHERBAKOVA, G.A., redaktor;
VODOLAGINA, S.D., tekhnicheskii redaktor

[Problems in the theory and practice of electroencephalography;
a collection of articles for clinicians] Voprosy teorii i praktiki
elektroentsefalografii; sbornik statei v pomoshch' vrachu-klinitsistu.
[Leningrad] 1956. 257 p. (MLRA 10:1)

1. Leningrad. Universitet.
(ELECTROENCEPHALOGRAPHY)

MYASISHCHEV, V.N.

The role of psychology in medicine. Vop.psikhol. 2 no.3:3-15 My-Je
'56. (MIRA 9:9)

1.Kafedra psikhologii Leningradskogo gosudarstvennogo universiteta.
(Medicine, Psychosomatic)

USSR / Human and Animal Morphology. Nervous System.

S-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 21655.

Author : Gol'din, L. S., Myasishchev, V. M.

Inst : Not given

Title : Structural Changes in the Cerebral Cortex During Intensive
Excitation Based on Electron Microscopy Data.

Orig Pub : Zh. vyssh. nervn. deyat-sti, 1956, 6, vyp. 4, 621-629

Abstract : Electron-microscopic structure of the nerve cells in frontal parietal and central areas of the [cortex of rats] underwent changes while it was in a state of excitation caused by a passage of electric current through the bases of cells or by the effect of a conditioned stimulus (bell ringing and the noise of a sound operator). There was almost a ten-fold increase in the thickness of nuclear membrane and the cells with preponderately large granules in their nuclei were more frequently encountered. Nuclei and protoplasmic granules were, mostly, larger than in control animals.

Card 1/2 *Leningrad Psychoneurological Inst. in V. M. Bekhterev*

MYASISHCHEV, V.N.

Some aspects of the psychology of man's relationships. Uch.zap. Len.
un. no.214:3-10 '56. (MLRA 10:3)
(Behaviorism (Psychology))

MYASISHCHEV, V.N. (Leningrad)

Centennial of the birth of V.N.Bekhterev (1857-1957) Zhur.nevr. 1
psikh. 57 no.1:3-14 '57. (MLBA 10:3)
(BEKHTEREV, VLADIMIR MIKHAILOVICH, 1857-1927)

MYASISHCHEV, V.M.; SHMIDT, Ye.V.

First Congress of Czechoslovak neurologists. Zhur.nevr. i psikh. 57
no.5:666-672 '57. (MIRA 10:8)
(NEUROLOGY)

Myasishchev, V.N.

AUTHORS:

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20-3-37/52

TITLE:

Electron Microscopy of the Nerve Cells of Brain Cortex in a State of Intense Excitation (Elektronnaya mikroskopiya nervnykh kletok kory mozga pri sostoyanii intensivnogo возбуждения)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 3, pp. 491- 493 (USSR)

ABSTRACT:

The authors have studied the submicroscopic structure of the nerve cells of the brain cortex of white rats, in order to precise the question of the rôle, which plays the nucleus at the metabolism of the cells. Two states were studied: 1.) State of excitation caused by conditional irritating effect and an electric supporting on the epidermis, 2.) state of intense excitation, caused by a spasm-causing electric effect. In order to work out a conditional motive reaction, the method of Vladimirova (reference 2) was used. The spasms were induced by an electro-shock apparatus (85 - 95 V, during 0,5 sec.). The animal immediately was killed by dipping in liquid nitrogen (during 3 - 5 sec.). The brain, although being cooled down quickly, did not yet attain the intense frozen state. From 20 animals 4 were in a relatively quiete - , 13 in an excited state, in different stages of working out of the conditional motive re-

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